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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/896,720

DATE: 10/12/2001

TIME: 11:17:38

Input Set : A:\5853173u.app

Output Set: N:\CRF3\10122001\I896720.raw

3 <110> APPLICANT: SONG, WEN-YUAN
 4 PI, LI-YA
 6 <120> TITLE OF INVENTION: UBIQUITIN LIGASE
 8 <130> FILE REFERENCE: 5853-173
 10 <140> CURRENT APPLICATION NUMBER: 09/896,720
 C--> 11 <141> CURRENT FILING DATE: 2001-09-24 *ok*
 13 <150> PRIOR APPLICATION NUMBER: 60/215,049
 14 <151> PRIOR FILING DATE: 2000-06-29
 16 <160> NUMBER OF SEQ ID NOS: 24
 18 <170> SOFTWARE: PatentIn Ver. 2.1
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 1353
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Oryza sativa
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 28 cgcgccaccc tctacgacgc cctctccgct ctccacatcg ccgcgcgcaa tggccgcac 180
 29 gaggtgctct ccatgttctt ggatcgccgg ggcgcgcgg acgcggtgaa tcggcacaag 240
 30 cagacgcccgc tgatgctcgc ggccatgcac ggcaagatcg actgctgct caagctcctc 300
 31 caggccgacg caaatatctt gatgttcgac tgggtgcacg cgaggacctg cctccaccac 360
 32 gcggcgctact acggccacgt cgactgcctg cagcccatcc tcgcccgcgc gcagaccacg 420
 33 ccggtggccg actcatgggg ttctgcccgg ttctgcaacg tcagggacga ccacggcgcc 480
 34 actccgctgc atctcgccgc caggcagggg cggccggggg gcgtgcaggt gttgctggag 540
 35 aacggcgcca ttgtgtcggc ttgacagga tcatatggct tccctggaag cactgcgctt 600
 36 catttgctg ctcgtagcgg gaacttggat tgcacagga agctgcttgc ctggggagct 660
 37 gatcggtcc aaagggattc ggctgggaga attccctatt ctgttgctg gaaacggaac 720
 38 catggagcat gtgcagcttt gctgaaccct acatcagcag agcccatggt gtggccatcc 780
 39 ccacttaagt tcatcagtga gcttgaacca gaagctaagg ctctcctgga agcagctctg 840
 40 atggaagcca acagggagag ggagaagaaa atcctgaatg gcacaaagta ctccctgcca 900
 41 tccccttcgc ccggtgatga cagtgcgcat gacgatgcat gctcagaggt gagcgacacg 960
 42 gagctttgct gcatctgctt cgaccaggct tgcaccattg aggtgcaaga ctgtggacat 1020
 43 caaatgtgtg caccgtgcac gctggcactg tgctgtcaca acaaacccaa tccgacgacc 1080
 44 ctgacaccgc cctcaccggc ctgcccattc tgccgggcca gcatctcacg gctggtggtg 1140
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 56 <220> FEATURE:
 57 <221> NAME/KEY: MOD_RES
 58 <222> LOCATION: (258)
 59 <223> OTHER INFORMATION: Any amino acid
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62 Met Gly His Gly Val Ser Cys Ala Arg Thr Gly Asp Glu His Asp Phe
63 1 5 10 15
65 Phe Arg Ala Ala His Leu Gly Asp Leu Asp Ala Leu Ala Ala Leu Leu
66 20 25 30
68 Ala Ala Asp Pro Ser Leu Ala Arg Arg Ala Thr Leu Tyr Asp Arg Leu
69 35 40 45
71 Ser Val Leu His Ile Ala Ala Ala Asn Gly Arg Ile Glu Val Leu Ser
72 50 55 60
74 Met Phe Leu Asp Arg Gly Ala Pro Pro Asp Ala Val Asn Arg His Lys
75 65 70 75 80
77 Gln Thr Pro Leu Met Leu Ala Ala Met His Gly Lys Ile Asp Cys Val
78 85 90 95
80 Leu Lys Leu Leu Gln Ala Asp Ala Asn Ile Leu Met Phe Asp Ser Val
81 100 105 110
83 His Ala Arg Thr Cys Leu His His Ala Ala Tyr Tyr Gly His Val Asp
84 115 120 125
86 Cys Leu Gln Ala Ile Leu Ala Ala Ala Gln Thr Thr Pro Val Ala Asp
87 130 135 140
89 Ser Trp Gly Phe Ala Arg Phe Val Asn Val Arg Asp Asp His Gly Ala
90 145 150 155 160
92 Thr Pro Leu His Leu Ala Ala Arg Gln Gly Arg Pro Gly Cys Val Gln
93 165 170 175
95 Val Leu Leu Glu Asn Gly Ala Ile Val Ser Ala Leu Thr Gly Ser Tyr
96 180 185 190
98 Gly Phe Pro Gly Ser Thr Ser Leu His Leu Ala Ala Arg Ser Gly Asn
99 195 200 205
101 Leu Asp Cys Ile Arg Lys Leu Leu Ala Trp Gly Ala Asp Arg Leu Gln
102 210 215 220
104 Arg Asp Ser Ala Gly Arg Ile Pro Tyr Ser Val Ala Leu Lys Arg Asn
105 225 230 235 240
107 His Gly Ala Cys Ala Ala Leu Leu Asn Pro Thr Ser Ala Glu Pro Met
108 245 250 255
W--> 110 Val Xaa Pro Ser Pro Leu Lys Phe Ile Ser Glu Leu Glu Pro Glu Ala
111 258 260 265 270
113 Lys Ala Leu Leu Glu Ala Ala Leu Met Glu Ala Asn Arg Glu Arg Glu
114 275 280 285
116 Lys Lys Ile Leu Asn Gly Thr Lys Tyr Ser Leu Pro Ser Pro Ser Pro
117 290 295 300
119 Gly Asp Asp Ser Ala Asp Asp Ala Cys Ser Glu Val Ser Asp Thr
120 305 310 315 320
122 Glu Leu Cys Cys Ile Cys Phe Asp Gln Ala Cys Thr Ile Glu Val Gln
123 325 330 335
125 Asp Cys Gly His Gln Met Cys Ala Pro Cys Thr Leu Ala Leu Cys Cys
126 340 345 350
128 His Asn Lys Pro Asn Pro Thr Thr Leu Thr Pro Pro Ser Pro Ala Cys
129 355 360 365
131 Pro Phe Cys Arg Gly Ser Ile Ser Arg Leu Val Val Ala Gln Thr Arg
132 370 375 380
134 Ser Ala Cys Asp Pro Asp Lys Pro Ser Ser Leu Gln Leu Thr Arg Lys

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135 385          390          395          400
137 Arg Ser Arg Arg Ser His Asn Leu Ser Glu Gly Ser Ser Ser Phe Lys
138          405          410          415
140 Gly Leu Pro Ser Ala Met Gly Ser Phe Ser Lys Leu Gly Arg Gly Ser
141          420          425          430
143 Ser Arg Met Ala Asp Ser Asp Ser Ser Asn Leu Asp Lys Pro Glu His
144          435          440          445
146 Asp Leu
147          450
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153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
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163 <211> LENGTH: 31
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
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171 gtcgacgaat gaaatcagtt gtgaagggtg c 31
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175 <211> LENGTH: 35
176 <212> TYPE: DNA
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
182 <400> SEQUENCE: 5
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187 <211> LENGTH: 42
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
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198 <210> SEQ ID NO: 7
199 <211> LENGTH: 30
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer ✓
206 <400> SEQUENCE: 7
207 ggatccatga tatccatggg tcacggtgtc 30

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Input Set : A:\5853173u.app

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212 <212> TYPE: DNA
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215 <220> FEATURE:
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218 <400> SEQUENCE: 8
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223 <211> LENGTH: 30
224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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235 <211> LENGTH: 24
236 <212> TYPE: DNA
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247 <211> LENGTH: 30
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
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254 <400> SEQUENCE: 11
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259 <211> LENGTH: 30
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial Sequence
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271 <211> LENGTH: 28
272 <212> TYPE: DNA
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278 <400> SEQUENCE: 13
279 gaattctcta gaccggggca gcattctca 28
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Input Set : A:\5853173u.app

Output Set: N:\CRF3\10122001\I896720.raw

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285 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:
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318 <210> SEQ ID NO: 17
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321 <213> ORGANISM: Artificial Sequence
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330 <210> SEQ ID NO: 18
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332 <212> TYPE: DNA
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344 <212> TYPE: DNA
345 <213> ORGANISM: Artificial Sequence
347 <220> FEATURE:
348 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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354 <210> SEQ ID NO: 20
355 <211> LENGTH: 22

VERIFICATION SUMMARY

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Input Set : A:\5853173u.app

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2